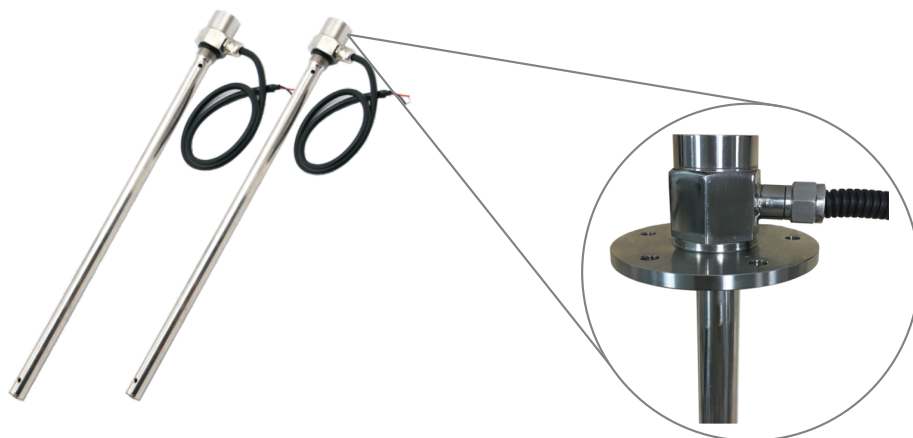


iLevel Capacitive Level Sensor



Loadstar Sensors' iLevel Capacitive Level Sensor makes it convenient to measure the level of liquids such as water, fuel and other non corrosive liquids in a tank or other common containers. Its base output is an analog voltage in the 0 to 3.3V range and is powered off a 5V DC power supply.

The sensor itself is made of stainless steel and comes compensated for temperature variations in the 10-40C range. Together with our digital interfaces this sensor can be used to create solutions with wired and wireless outputs such as UART, USB, WiFi, XBee and BLE.

The sensors come with a flange with five through holes to fasten them to the tank easily.

Sensor Specifications

Parameter	Specification
Measurement Range	300 mm (ft), 600 mm (2 ft), 900 mm (3 ft)
Input Power	5 VDC Suggested (9-36V acceptable)
Output Signal	0-3.3 VDC
Current	< 10 mA
Power Consumed	60 mW (measured at 12V DC supply)
Accuracy	+/- 1% of full scale
Resolution	1 mm
Temperature Range	10C to 40C
Probe Diameter	16 mm
Material	Stainless Steel
Installation Method	5 Hole Flange of 5.6 mm diameter

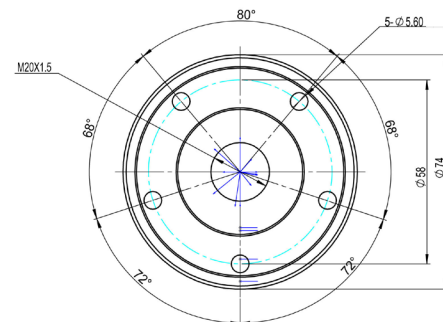
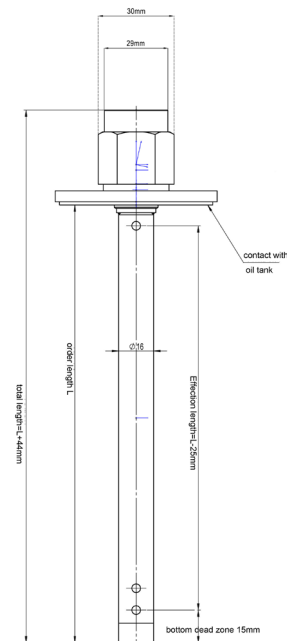
Recommended Interfaces



DI-1000U
Digital Sensor Interface



DI-1000ZP-5V/DI-1000WiFi-5V/
DI-1000BLE
Wireless Sensor Interface



Wiring Information

Cable Color Code	
Red	5V
Black	Ground
Green	Output Voltage

Ordering Information

SKU	Range
iLevel-300-A	300 mm
iLevel-600-A	600 mm
iLevel-900-A	900 mm

Wireless Configuration



USB Configuration



Touch Screen Display Configuration



Analog Configuration

